



Vision for Georgia Tech

Define the technological
research university of the
twenty-first century



Georgia Tech: Recognized for excellence

- Among top 10 public universities in the nation.
- Among top 5 engineering schools in the nation.
- Nationally ranked: computing, architecture, management, selected science and liberal arts programs.
- SAT score among nation's top 5 public universities.
- 15 national centers of excellence

Students

16,800 students enrolled:

- 11,500 under-graduates
- 5,300 graduate students
- 16,200 in Atlanta.
- Growing enrollment: added 3,800 students in the past 10 years.

Georgia Tech is a national leader in graduating engineers, including minorities & women.



Student achievements honored

Gates Scholar Anthony
Hylick to pursue Ph.D.
at Cambridge.



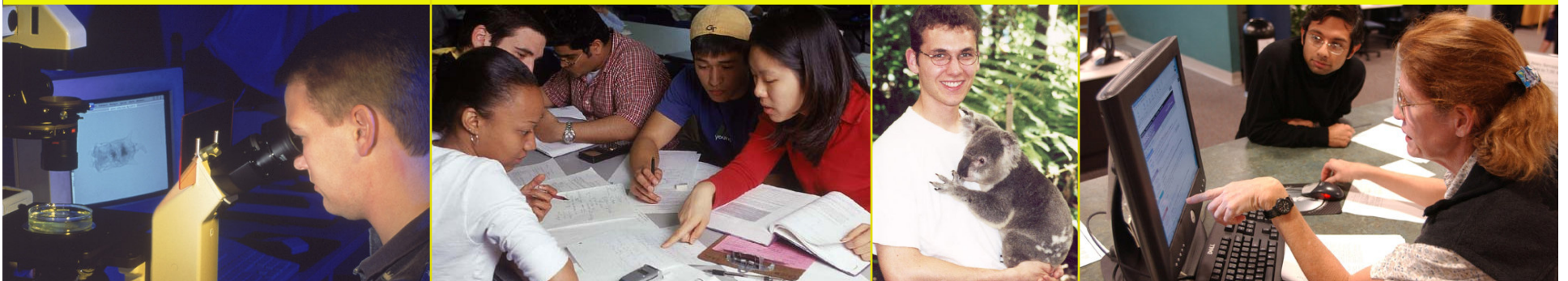
John Parish wins Goldwater Scholarship
to continue undergrad studies at Tech.



Alexandra Pajak is one of eight student
authors in a new book *What We Think:
Young Voters Speak Out*.

Undergraduate initiative

- Student computer initiative; Web-enhanced curriculum.
- Mid-semester grade reports and follow-up help for lagging students.
- Undergraduate research opportunities: 40%.
- Expanded international study options: 33%.
- Enhanced student life/leadership options.
- Results – retention and graduation rates headed up.



Interdisciplinary degrees

- Human-computer interaction
- Bioinformatics
- Quantitative and computational finance
- Prosthetics and orthotics
- Digital media
- Biomedical engineering



Sustainable
technology



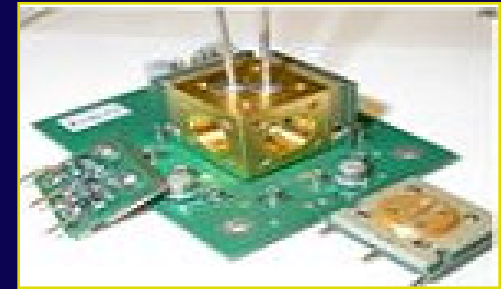
Interdisciplinary Research



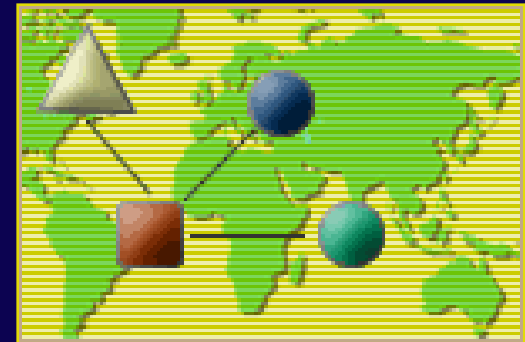
Nanotechnology



Biotechnology/
nanomedicine



Microelectronics/
telecommunications



Logistics



Photonics/optics



Manufacturing

Research milestones

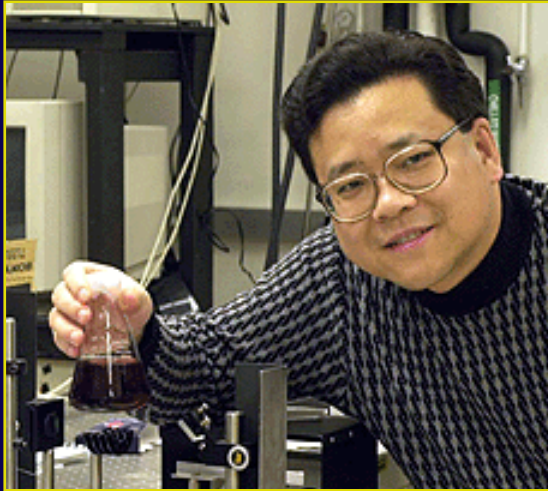


- Expenditures: \$415 million (FY 04); new high for 8th straight year
- Among nation's top 5 universities without medical school
- Invention disclosures: 277
- 15 start-up companies spun out

“Age of biology” arrives at GT

- ▷ 15 new degree programs in 8 interdisciplinary fields during the past five years.
- ▷ Since Fall of 2001...
 - Undergraduate enrollment up 42% to 1,500.
 - Graduate enrollment up 60% to 755.
 - PhD degrees awarded up 100% to 180.
- ▷ Faculty up 94% to 128 positions since FY 2000.
- ▷ Research awards up from \$7 million in FY 2000 to more than \$38 million in FY 2005.
- ▷ Nearly a dozen bio centers established on campus.

Innovative new research directions



Nanomedicine: Joint GT/Emory research pioneers in this new field, lead the nation in attracting NIH funding.

Predictive medicine: GT/Emory research in human genome and molecular-level diagnostics aims at disease prevention.



Innovative Collaborations

- Emory/Georgia Tech Biomedical Engineering
- National Nanotechnology Infrastructure Network
- NSF Centers of Excellence:
 - ▷ Tissue Engineering
 - ▷ Electronic Packaging
 - ▷ Photonics
- National Lambda Rail
- Product Lifetime Management Center
- The Enterprise Transformation Institute

University-based nanotechnology Centers and facilities



Four campuses on three continents



Georgia Tech-Atlanta



Georgia Tech-Lorraine



Georgia Tech-Savannah



Georgia Tech-Singapore

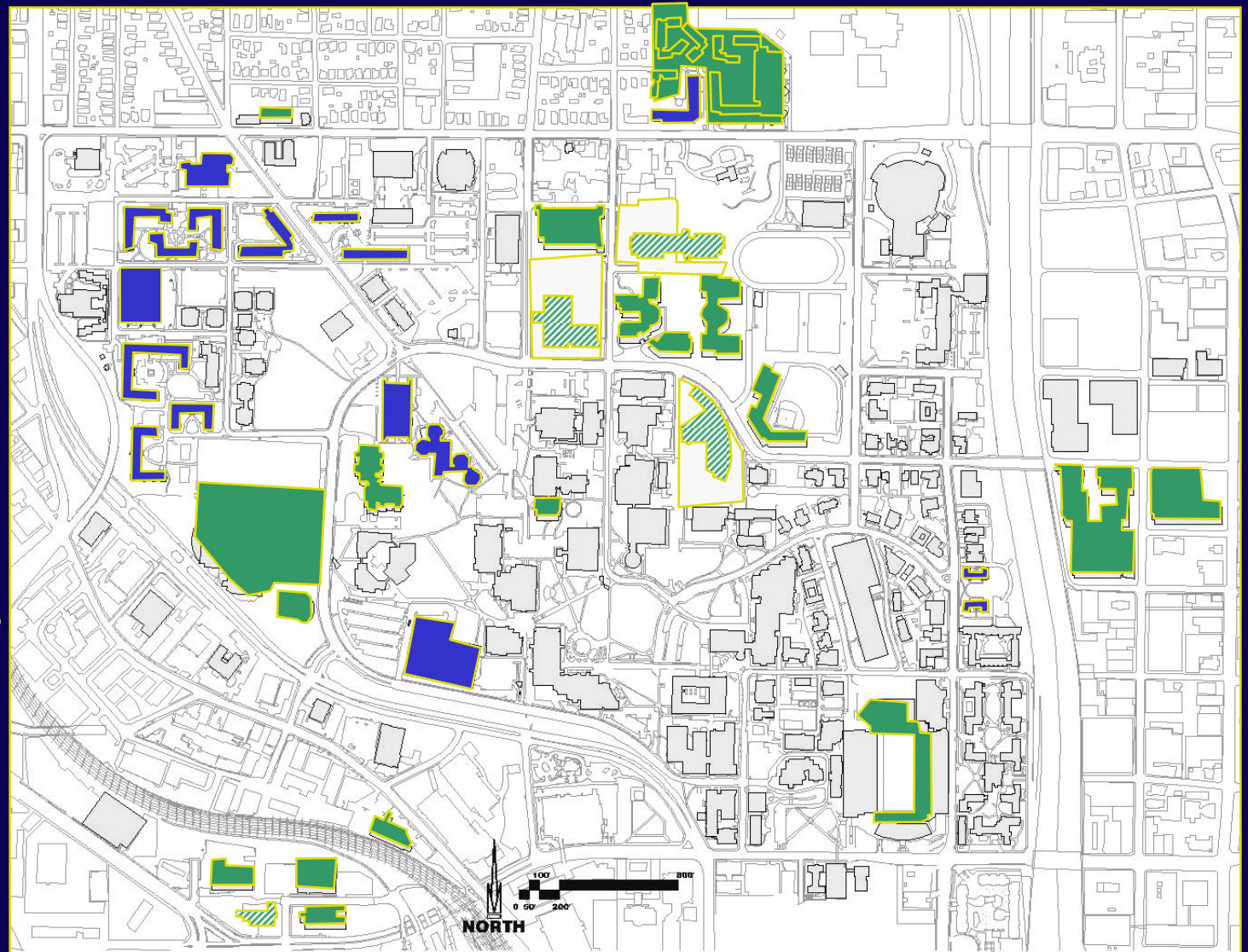
Building a quality, sustainable campus

3.5 million gross sq ft of
new, renovated space.



Recent construction

- 1992-96
Olympic era
construction
- 1996-
2005
- In process

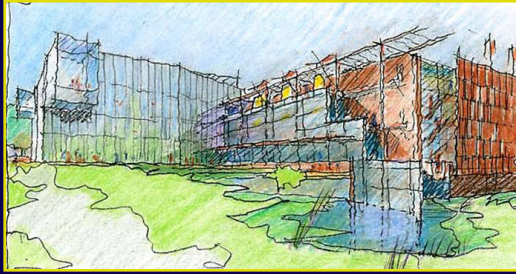


Technology Square

- Gives Atlanta a visible technology nexus.
- Built on vacant lots, abandoned property.
- Models sustainability.
- Invigorates Midtown's western side:
 - ▷ Midtown's biggest book store
 - ▷ Shops and cafes
 - ▷ Triggered 4,500 new housing units



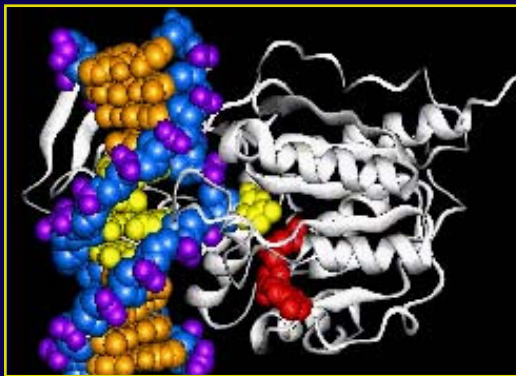
Projects in design, planning, proposal



Nanotechnology Research Center Building received \$7 million in state funds to keep design moving forward.



Undergraduate Learning Center may receive design funds in next year's legislative session.



Bio-Z Building, new home for biology and interdisciplinary biotechnology programs, presented to the Board of Regents June 7 for consideration.

International programs

- Global Learning Center delivers education around the world
- Global MBA
- Sam Nunn School of International Affairs
- Research and education partnerships:

Israel

Great Britain

France

Argentina

Germany

Singapore

China

India